PDR RID Report

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Document Communication Requirements for the ECS Project, 194-220-SE3-001, 8/94

Section NA **Page** 3-3,4 **Figure Table** NA

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Review CSMS
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Priority 2

Category Name Requirements **Actionee** HAIS

Sub Category

Subject Undefined DAAC to DAAC Product Data Flows

Description of Problem or Suggestion:

DAAC to DAAC product data flows and bandwidth estimates for the TRMM Release are not included in the discussion on pages 3-3,4. This data is critical to determine what extent the V0 circuits can support the additional loads.

Originator's Recommendation

Include the DAAC to DAAC product flows and bandwidth estimates to determine what extent the V0 circuits need to be upgraded or scaled. These estimates are helpful in determining a WAN migration plan for V0 to V1.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Forman **HAIS Schedule** 2/28/95

HAIS R. E. **HAIS Response Date** 4/4/95

The ECS Communications Requirements document, dated February 1995, provides estimates of DAAC to DAAC product flows for years 1997 through 2002 including those arising from the TRMM data transfers. These estimates (Tables 3.5.1-1 to 3.5.1-6) are based on the processing scenarios provided by the TRMM, and the AM-1 ASTER, CERES, MISR, MODIS and MOPITT instrument teams to the Ad Hoc Working Group for Production. The inter-DAAC bandwidths required to support the TRMM data flows and flows resulting from inter-DAAC query responses, IST flows, ADC flows, and V0 network flows are shown in Tables 3.7-1 to 3.7-6 of this document.

The upgrades required to the V0 WAN circuits to support the IR-1 and TRMM releases are documented in the "V0 Analysis Report for the ECS Project", dated February 1995. The existing V0 WAN link capacities and the anticipated capacities required during IR-1 and Release A are identified on page 4-11 of this document. These link capacities (and the mapping to each specific ECS release) will be refined as more information becomes available on the IP pickup point specifics The procedure for transitioning from V0 to ECS Release A networks (as far as WAN architecture, LAN architecture, and the management and operation of V0 and Release A networks is concerned) is discussed on pages 4-8 through 4-13. This procedure has been coordinated with the V0 Network team, and in part, based on the V0 to ECS Release A Transition plan provided by this team.

Status **Closed** **Date Closed** **5/3/95** **Sponsor** **desJardins**

****** **Attachment if any** ******